

20010319.qrp v02_n132.qrl.20010319

Date: Mon, 19 Mar 2001 19:03:05 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2132

QRP-L Digest 2132

Topics covered in this issue include:

- 1) [94449] RE: Modified MRX-40/TT2 schematic
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 2) [94450] FT-817 user comments and info.
by "Kelly Ellison" <kelman@dialnet.net>
- 3) [94451] RE: Computer for QRP Fielday
by Hank Kohl K8DD <k8dd@arrl.net>
- 4) [94452] Re: FCC ruling
by SKIPNC90@aol.com
- 5) [94453] Re: RCA 40349
by Stan Yarema <bg783@scn.org>
- 6) [94454] Re: FCC ruling
by "Frank Emens" <femens@hiwaay.net>
- 7) [94455] 3B8CF on 14.030 @ 0301Z
by david gauding <david.gauding@bbs.galilei.com>
- 8) [94456] Re: Clean Contacts & Acid Paper
by George Gingell <k3tks@u1.abs.net>
- 9) [94457] RE: Dx Help
by "AI2Q Alex" <ai2q@adelphia.net>
- 10) [94458] Re: Clean Contacts & Acid Paper
by Dave Fouchey <dafouchey@home.com>
- 11) [94459] Good low-power wattmeter?
by "Ed Juge" <ed@juge.org>
- 12) [94460] Re: Clean Contacts & Acid Paper
by George Gingell <k3tks@u1.abs.net>
- 13) [94461] Re: Good low-power wattmeter?
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 14) [94462] Fort Tuthill
by Thomas Upton <stjohn@ocsnet.net>
- 15) [94463] Re: Good low-power wattmeter?
by "Leon Heller" <leon_heller@hotmail.com>
- 16) [94464] Re: AL7FS in Nagoya Japan for two weeks
by Junichi Nakajima <nakaji@crl.go.jp>
- 17) [94465] Re: Good low-power wattmeter?
by "Karl F. Larsen" <k5di@zianet.com>
- 18) [94466] RE: Good low-power wattmeter?
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 19) [94467] Re: Good low-power wattmeter?

- by Roy <marion@montana.com>
- 20) [94468] Mea Culpa
by Dragon Singer <WM-Scace@wiu.edu>
- 21) [94469] J309,310 pinouts?
by "Steve/n0tu" <n0tu@webaccess.net>
- 22) [94470] Wattmeter & calibrations
by K5BDZ@aol.com
- 23) [94471] RE: Wattmeter & calibrations
by "AI2Q Alex" <ai2q@adelphia.net>
- 24) [94472] Surface Mounting Thru-hole Components
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 25) [94473] RE: Paper for contact cleaning
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 26) [94474] Re: Wattmeter
by "Mike Branca" <w3irz@att.net>
- 27) [94475] Re: J309,310 pinouts?
by Macstein@aol.com
- 28) [94476] Re: The \$12.00 paddle URL??
by "Jay Bromley" <w5jay@alltel.net>
- 29) [94477] Smallest Computer With Sound Card
by Tim ORourke <TORourke@KaiserFT.com>
- 30) [94478] XCVR: QRO/QRP
by "Richard Matthews" <prm@hiwaay.net>
- 31) [94479] Re: Good low-power wattmeter?
by "James C. Owen, III" <k4cgy_list@yahoo.com>
- 32) [94480] Re: Good low-power wattmeter?
by "James C. Owen, III" <k4cgy_list@yahoo.com>
- 33) [94481] RE: Good low-power wattmeter?
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 34) [94482] Re: Fort Tuthill
by Bob Nielsen <nielsen@oz.net>
- 35) [94483] Dayton Rooms
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 36) [94484] Component Data/J309
by Ken Brown <n4so@juno.com>
- 37) [94485] Collins ATU 180U-2..info sought
by Paul Brice-Stevens <paul@g0wat.demon.co.uk>
- 38) [94486] Re: Good low-power wattmeter?
by "Doug Person" <DougPerson@attglobal.net>
- 39) [94487] FS and WTB
by Michael Goins <mgoins@usa.net>
- 40) [94488] Re: Good low-power wattmeter?
by Bob Nielsen <nielsen@oz.net>
- 41) [94489] RE: Wattmeter & calibrations
by "AI2Q Alex" <ai2q@adelphia.net>
- 42) [94490] EMTECH 8020 40 m. rig
by Brien Pepperdine <pepperb@gov.on.ca>
- 43) [94491] "P" TICK KEYS URL

- by RangerSF5@aol.com
- 44) [94492] QST:YAESU FT-817 Atlanticon/ArkieCon
by "Jay Bromley" <w5jay@alltel.net>
 - 45) [94493] RE: PIN Diode TR Switching
by "Lau, Zack, W1VT" <zlau@arrl.org>
 - 46) [94494] Re: Wattmeter & calibrations
by "David Porter" <aa3ur@home.com>
 - 47) [94495] QEX has been very practical RF in the HF lately
by "Stuart Rohre" <rohre@arlut.utexas.edu>
 - 48) [94496] OHR500 - opinions?
by "Mike Swift" <m0cqg@dial.pipex.com>
 - 49) [94497] Re: OHR500 - opinions?
by geoff allsup <gallsup@whoi.edu>
 - 50) [94498] Solar Power
by "Doug Person" <DougPerson@attglobal.net>
 - 51) [94499] Download Problem
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
 - 52) [94500] RE: QEX has been very practical RF in the HF lately
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
 - 53) [94501] Re: Solar Power
by John Kuklewicz N7ZN <kukl@cybrquest.com>
 - 54) [94502] Re: ARRL Lab and W1RFI
by "Stuart Rohre" <rohre@arlut.utexas.edu>
 - 55) [94503] Re: Experiment - Surface Mounting Thru-hole Components
by "laura halliday" <marsgal42@hotmail.com>
 - 56) [94504] FS: OHR 20 meter Explorer II
by Qrpop@aol.com
 - 57) [94505] RE: PIN Diode TR Switching & QEX --Long (and boring)
by "laura halliday" <marsgal42@hotmail.com>
 - 58) [94506] Cool little rig
by "Tracy" <tracy@bytemark.com>

Date: Sun, 18 Mar 2001 19:06:54 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94449] RE: Modified MRX-40/TT2 schematic
Message-ID: <GCECIJFJPOHMCKACOA0BGEMLCFAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Try this link for specs and pictures:
<http://www.redhotradio.com/MRX40TT2.html>
and this one for the schematic: <http://www.redhotradio.com/Mrx40tt2.pdf>

73,

Jake -- N4UY

<http://pweb.netcom.com/~jakecart/N4UY-2.html>

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of John A. Evans - N0HJ

Sent: Sunday, March 18, 2001 3:59 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Modified MRX-40/TT2 schematic

Also, I would like to see the SMK-21 stuff come back, too, if only long enough for me to copy those relevant pages.

72 - john - n0hj

Andrew Madsen wrote:

> I'm looking for the schematic of the modified MRX-40/TT2 combo that Dave
> Fifield did. The schematic used to be on the Red Hot Radio page, but
> it's no longer there.....

Date: Sun, 18 Mar 2001 19:38:29 -0600

From: "Kelly Ellison" <kelman@dialnet.net>

To: <qrp-l@lehigh.edu>

Subject: [94450] FT-817 user comments and info.

Message-ID: <007301c0b015\$4dedb640\$c2c9e0d8@pavilion>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello,

Had some folks on the list asking about the FT-817 so I thought I would check in. I got the FT-817 last week and have had a chance to make several QSOs with it. I love it, what a slick little radio! It runs 5 watts on 160 - 70 cm with power settings at 5, 2.5, 1 and a half watt. RX frequency coverage includes the FM Broadcast band, the AM Broadcast Band, The VHF Aircraft Band and other bands for interesting SW listening. After using this rig for a few days.. I am surprised to say that the RX seems to be just as good as my Icom

746, and seems better in the VHF segment. The CW filter is very nice and does the job.

The rig has built-in SWR meter, relative power meter, and many other features I was surprised to see in this little affordable package. A few of the features I thought are very useful are the menu selectable Antenna jacks. In other words, you can select the front BNC jack or Back UHF jack for each band independently. So if you are out on the field... you can use your HF antenna to Monitor you FM Broadcast or other bands you wish to listen to. One other slick feature is the S meter. Not only do you get a bar graph display... but the S-meter actually shows you what the S reading is to the left of the bar graph. For Example... If the Graph reads S8 scale... there is a readout that gives you "S8" on the left side of the graph. Not a big deal, but I think it's pretty cool.

The FT-817 has many other features that are handy. You can enlarge the frequency readout (of course at the expense of losing other info), Run the rig off of an 8 pack of AA batteries that are packed inside of the rig.. or run from an external Power Supply.

I am looking forward to going portable with this rig soon. Like one other reviewer said, this radio has put the fun back in ham radio for me. Tons of information on this rig can be found at: <http://groups.yahoo.com/group/FT817> you'll find a well done FAQ, pictures, mods, and other user comments. Many reviews can be found at www.eham.com both in the QRP section and the HF Transceiver sections.

I hope this information is useful, and if anybody has a question about the FT-817, contact me and I'll see if I can help.
(Usual Disclaimers... blah, blah, blah)

73,

Kelly Ellison - WB0WQS QRP-L #702

Date: Sun, 18 Mar 2001 21:01:23 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: nkennedy@tcainternet.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [94451] RE: Computer for QRP Fielday
Message-ID: <5.0.2.1.2.20010318205435.05d61118@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ah, another opportunity to plug NA

NA and CT will run fine on an old DOS type laptop also.

NA and CT will key the rig, send CW, interface to many radios, keep track of dupes and score the log.

NA will also let you plug your paddle into the interface (serial or parallel). You cannot use the paddle plugged into the CW interface.

Another NA believer All three (NA CT TR) are good programs and cost about the same I use NA & CT because they cover all the contests and are real similar in how they are used, and, I think, easier to learn.

73 Hank K8DD

At 01:53 PM 3/18/2001 -0600, Nick Kennedy wrote:

>Ah, another opportunity to plug TR-Log.

>

>I think the original poster was mainly interested in what

>computer--but the

>software may dictate that. TR-log (for one) will run fine on an old DOS

>type laptop, so that could save some \$\$ on the laptop purchase. Plus,

>it

>will key the rig, send CW, allow use of your paddle ... and on and on.

>

>Another TR-Log believer--

>

>Nick,WA5BDU

>

>-----Original Message-----

>From: Garie Halstead [SMTP:k8kfj@ntelos.net]

>Sent: Sunday, March 18, 2001 11:57 AM

>To: Low Power Amateur Radio Discussion

>Subject: Re: Computer for QRP Fielday

>

>On Saturday, 17 March 2001, Mike Camp wrote:

>

> > Also, the software that would play on it.

>

>CT, TR-Log, NA and Log-EQF will all work. They will all score and

>dupe check your contacts.

>

>73 //Gary *K8KFJ*

Date: Sun, 18 Mar 2001 21:07:57 EST
From: SKIPNC90@aol.com
To: w1hue@amsat.org, qrp-1@lehigh.edu
Subject: [94452] Re: FCC ruling
Message-ID: <8c.3e0cd62.27e6c3fd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/17/01 23:50:57 Central Standard Time, w1hue@amsat.org writes:

<< The guy probably never uses CW anyway, so no problem... Maybe "CW" is the FCC's idea of punishment. :-)

>>

Just maybe the FCC views CW as a skill and discipline that will guide him to be more respectful to others and this hobby. Maybe we should tell him how much fun QRP and 30 meters are and encourage him in his endeavor to learn and enjoy CW.

73, Skip Davis NC90

Date: Sun, 18 Mar 2001 19:07:44 -0800 (PST)
From: Stan Yarema <bg783@scn.org>
To: Pete Burbank <plburbank@kih.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [94453] Re: RCA 40349
Message-ID: <Pine.SUN.3.96.1010318190357.19766A-1000000@scn>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

According to my power devices manual the gain-bandwidth peaks at 1 Mhz at 20 mA collector current. No number given for f-sub-t which is what you'd like to see in the 10's or 100's of MHz for RF.

72..... Stan, K7SY

Date: Sun, 18 Mar 2001 21:03:57 -0600
From: "Frank Emens" <femens@hiwaay.net>
To: SKIPNC90@aol.com
Cc: qrp-1@Lehigh.EDU

Subject: [94454] Re: FCC ruling
Message-ID: <200103190303.f2J33w517951@mail.hiwaay.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The FCC has done this before, especially with folks who have committed all their improper behavior on phone. It is easier for the Commission to alter a person's operating privileges than to pull his license altogether, which takes a lot of legal folderol. It probably is the case that this guy will not bother developing his CW abilities just to cause trouble on the CW bands and will effectively be silenced. At any rate, it is not something to construe as being a slam of CW operators, just a convenient way to discipline a foul ball.

Frank Emens
femens@hiwaay.net

Date: Sun, 18 Mar 2001 20:58:42 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [94455] 3B8CF on 14.030 @ 0301Z
Message-ID: <5.0.2.1.0.20010318205519.028356e0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

3B8CF on 14.030 @ 0301Z

Mauritius Island! Wow! This contact really made my evening. The operator picked up on my /QRP and called for it. (TNX OM)

Used St. Louis Quickie Vertical and 2 watts from Argo 515.

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Sun, 18 Mar 2001 22:29:10 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>

Cc: "Monte \"Ron\" Stark" <ku7y@qsl.net>
Subject: [94456] Re: Clean Contacts & Acid Paper
Message-ID: <Pine.BSF.4.33.0103182202200.89600-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is a very interesting Question for me in particular.

I would really be interested if someone could tell of a simple test to determine if a particular paper was "Acid or not" I vaguely recall "Litmus" Paper used to test water or chemicals for Acidity, but never did know if there was a similar way to test the paper.

I have always used either a "Clean Fresh \$ 1.00 Bill" Pretty sure it is acid free.

We always used "Packets of Cleaning Paper strips" When cleaning sensitive relay contacts in Telephone PBX Switching Equipment.

I believe the contacts in question were Platinum. Although some may have also been Silver.

As a Repair Technician we also Used "PLAIN BOND PAPER" cut your own strips. I believe the Rag Content of the paper was more important than the Acidity. I have never heard of anything Concerning Acidity of Paper in the 36 years with A T & T, and Lucent Technologies.

Another surprising instruction I remember concerning Cleaning Relays was that we would first use a Tri-Flo spray (NOT Carbon Tet :^) then follow with Plain Distilled Water Rinse and Blow Dry.

This particular procedure was a Bell Labs Solution for PBX Equipment Relays which had been "Contaminated" by exposure to "Copy Machine Toner" They later issues a hard and fast rule that a PBX could not be located in the same room as a copy machine. Sure saved a lot of Service Problems..

So, My recommend is Just use Plain Bond Typing Paper. The only thing I wonder about is if it might "Scratch" the Silver Contact Surface. I think that the Platinum Contacts might be harder than the Silver. There are also different Silver mixtures. I would be Very Surprised if the Contacts were "Pure Silver"

It seems like I have created a few new questions. :^}

I would think that the Manufacturer of the Key would be in the best position to answer the questions. They are likely the only ones who know what is actually used in the construction.

While it probably is not of major concern, it would be nice to know the answers.

Can anyone help?

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
The QRP ARCI Quarterly Journal Back Issues Sales and Services
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George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Sun, 18 Mar 2001 22:50:27 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <n1bq@wulfden.org>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [94457] RE: Dx Help
Message-ID: <000401c0b027\$bc988860\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Brian, and congrats on that DX. I'll bet you're hooked now!

For QSL info, try the Buckmaster look-up at
http://www.buck.com/cgi-bin/do_hamcall and cross-reference that to QRZ at
<http://www.qrz.com>. I find Buckmaster quite reliable, and QRZ only so-so.

To see if the guy has a manager (which is unlikely for an ON4), check the K4UTE site at <http://users.southeast.net/~rhicks/k4ute.htm>. There are some additional Web sites that are useful, but this should get you started.

If you QSL him "direct" to his callbook address, include an IRC or two and a self-addressed airmail envelope. Otherwise he will likely reply to you via the bureau, and you will have to register with the bureau and wait until they send you an accumulation of cards.

GL es 73, AI2Q, Alex -- QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Brian B. Riley, N1BQ
Sent: Sunday, March 18, 2001 5:23 PM
To: Low Power Amateur Radio Discussion
Subject: Dx Help

Well, after beaucoup domestic CW contacts over the last few months, I finally worked my first DX today on 20 meters. My CQ netted a return call from ON4LMM, Claude in Brussels ... at about 2036z on 14.062 ... a great feeling ... So my K-1 (s/n #234) and G5RV/Z-11 got a 559 and I gave him a 529.

Does anybody have any QSL info on him?

72/73 de brian, n1bq

--

N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
<mailto:n1bq@wulfden.org>
NoVT QRP Society <<http://www.wulfden.org/NVQS/>>
AMSAT LM-1418 NJQRP #274 ARS #915
QRP-L #2276 Zombie #768 NVQS #002

Date: Sun, 18 Mar 2001 23:05:04 -0500
From: Dave Fouchey <dafouchey@home.com>
To: k3tks@u1.abs.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94458] Re: Clean Contacts & Acid Paper
Message-ID: <4.1.20010318225908.00926100@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Interesting indeed George. I have always used plain bond paper to clean relays and key contacts. As for the contacts in most relays yes they are usually platinum or gold with "coin silver" being more common in older styles of relays & keys. As for the old step by step PBX's, I can't imagine trying to keep one of them up and running in the same room as a copier machine! All those contacts getting fouled on the selectors and line finders...shudder. Better you than me guy. I'll settle for the newer electronic pbx's thanks.

Dave
WA4EMR/8

At 10:29 PM 3/18/2001 -0500, George Gingell wrote:

>This is a very interesting Question for me in particular.

>

>I would really be interested if someone could tell of a simple test to
>determine if a particular paper was "Acid or not" I vaguely recall
>"Litmus" Paper used to test water or chemicals for Acidity, but never did
>know if there was a similar way to test the paper.

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>acid free.

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>relay contacts in Telephone PBX Switching Equipment.

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>also been Silver.

>

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>the Acidity. I have never heard of anything Concerning Acidity of Paper
>in the 36 years with A T & T, and Lucent Technologies.

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>Another surprising instruction I remember concerning Cleaning Relays was
>that we would first use a Tri-Flo spray (NOT Carbon Tet :^) then follow
>with Plain Distilled Water Rinse and Blow Dry.

>

>This particular procedure was a Bell Labs Solution for PBX Equipment
>Relays which had been "Contaminated" by exposure to "Copy Machine Toner"
>They later issues a hard and fast rule that a PBX could not be located in
>the same room as a copy machine. Sure saved a lot of Service Problems..

>

>So, My recommend is Just use Plain Bond Typing Paper. The only thing I
>wonder about is if it might "Scratch" the Silver Contact Surface. I think
>that the Platinum Contacts might be harder than the Silver. There are also
>different Silver mixtures. I would be Very Surprised if the Contacts were
>"Pure Silver"

>

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>I would think that the Manufacturer of the Key would be in the best
>position to answer the questions. They are likely the only ones who know

>what is actually used in the construction.
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>While it probably is not of major concern, it would be nice to know the
>answers.
>
>Can anyone help?
>
>Sir George, The First :^)
>
>72 ES
>QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
>Former QRP A.R.C.I. Net Manager and Board of Director Member.
>The QRP ARCI Quarterly Journal Back Issues Sales and Services
>Gingell & Company, Ltd. Small Business Telephone Systems
>Commercial Locksmith Services (301) 572-6789 Office & Fax
>George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
>Maryland Milliwatt Club QRP Reference Library, (301) 572-6789
>Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
>Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Mon, 19 Mar 2001 04:17:28 -0000
From: "Ed Juge" <ed@juge.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94459] Good low-power wattmeter?
Message-ID: <001a01c0b02b\$86e65c20\$622a42cf@v300>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd appreciate opinions on a good, ACCURATE, low-power HF wattmeter? I seem to have only three choices...

The Oak Hills unit sold by Morse Express looks good. It would work great for my FT-817 but I'd like to have a little more than 10 watts max for use on my Elecraft K2. Anyone care to comment on its claimed "5% of full scale" accuracy?

I also note the MFJ-864 is about the same price. Anyone know how accurate it is?

I own a Bird 43, but the lowest power HF element they offer is 50 watts. I was hoping for 25. The only price I've seen on the 50H element is about the same as the above two wattmeters. That still could be my best bet.

Comments?

Thanks... Ed, W5EJ

Date: Sun, 18 Mar 2001 23:20:33 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: Dave Fouchey <dafouchey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94460] Re: Clean Contacts & Acid Paper
Message-ID: <Pine.BSF.4.33.0103182309300.91528-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dave,

Thanks for the reply. I am sure there are a lot more of "Ma Bell's Boys and Girls" lurking here on the list :^} I know a few for sure :^}

Yes, Toner is "A Death Curse" for "ALL Contacts and Relays" I found it actually worse on Wire Spring Relays and Crossbar Switches.

The 756 and 757 PBX Systems were particularly "Cursed with Black Death" due to their common usage on Customer Premises.

Funny, I never heard of a Problem caused by a Laser Printer. I suspect that is because the Quantity of Toner is less and not as much in the AIR.

I will have to talk with my son about it. He repairs COpy Machines for a living. Isn't that Ironic? :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
The QRP ARCI Quarterly Journal Back Issues Sales and Services
Gingell & Company, Ltd. Small Business Telephone Systems
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George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

On Sun, 18 Mar 2001, Dave Fouchey wrote:

> Interesting indeed George. I have always used plain bond paper to clean
> relays and key contacts. As for the contacts in most relays yes they are
> usually platinum or gold with "coin silver" being more common in older
> styles of relays & keys. As for the old step by step PBX's, I can't imagine
> trying to keep one of them up and running in the same room as a copier
> machine! All those contacts getting fouled on the selectors and line
> finders...shudder. Better you than me guy. I'll settle for the newer
> electronic pbx's thanks.

>

> Dave

> WA4EMR/8

>

>

>

>

> At 10:29 PM 3/18/2001 -0500, George Gingell wrote:

> >This is a very interesting Question for me in particular.

> >

> >I would really be interested if someone could tell of a simple test to

> >determine if a particular paper was "Acid or not" I vaguely recall

> >"Litmus" Paper used to test water or chemicals for Acidity, but never did

> >know if there was a similar way to test the paper.

> >

> >I have always used either a "Clean Fresh \$ 1.00 Bill" Pretty sure it is

> >acid free.

> >

> >We always used "Packets of Cleaning Paper strips" When cleaning sensitive

> >relay contacts in Telephone PBX Switching Equipment.

> >

> >I believe the contacts in question were Platinum. Although some may have

> >also been Silver.

> >

> >As a Repair Technician we also Used "PLAIN BOND PAPER" cut your own

> >strips. I believe the Rag Content of the paper was more important than

> >the Acidity. I have never heard of anything Concerning Acidity of Paper

> >in the 36 years with A T & T, and Lucent Technologies.

> >

> >Another surprising instruction I remember concerning Cleaning Relays was

> >that we would first use a Tri-Flo spray (NOT Carbon Tet :^) then follow

> >with Plain Distilled Water Rinse and Blow Dry.

> >

> >This particular procedure was a Bell Labs Solution for PBX Equipment

> >Relays which had been "Contaminated" by exposure to "Copy Machine Toner"

> >They later issues a hard and fast rule that a PBX could not be located in

> >the same room as a copy machine. Sure saved a lot of Service Problems..
> >
> >So, My recommend is Just use Plain Bond Typing Paper. The only thing I
> >wonder about is if it might "Scratch" the Silver Contact Surface. I think
> >that the Platinum Contacts might be harder than the Silver. There are also
> >different Silver mixtures. I would be Very Surprised if the Contacts were
> >"Pure Silver"
> >
> >It seems like I have created a few new questions. :^}
> >
> >
> >I would think that the Manufacturer of the Key would be in the best
> >position to answer the questions. They are likely the only ones who know
> >what is actually used in the construction.
> >
> >While it probably is not of major concern, it would be nice to know the
> >answers.
> >
> >Can anyone help?
> >
> >Sir George, The First :^)
> >
> >72 ES
> >QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
> >Former QRP A.R.C.I. Net Manager and Board of Director Member.
> >The QRP ARCI Quarterly Journal Back Issues Sales and Services
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> >Commercial Locksmith Services (301) 572-6789 Office & Fax
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> >Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
> >Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.
>

Date: Mon, 19 Mar 2001 04:37:39
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: ed@juge.org, qrp-1@Lehigh.EDU
Subject: [94461] Re: Good low-power wattmeter?
Message-ID: <F215gwHKT2qeSqk0qcI00005025@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The WM-2 will probably best meet your needs, at least it does mine. Its fine

for the K2, you can do the calibration at 10 W. If you really need to measure power above 10 W a lot, then it won't do. But if you need to measure lower powers, only the WM-2 will do. Note that statements like x% accuracy usually mean of full scale, what ever that is. 1% accuracy on a 30 watt scale is .3 watts, while 5% accuracy on 10 watt scale is .5 watts. Not many meters will be 1% for power. And the WM-2 lets you recalibrate it any time with a DVM. And you can easily measure 5 mW power levels.

73 - Mike WA8BXN

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 18 Mar 2001 23:39:56 -0800
From: Thomas Upton <stjohn@ocsnet.net>
To: qrp-1@lehigh.edu
Subject: [94462] Fort Tuthill
Message-ID: <3AB5B7CA.C4D288D9@ocsnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I haven't read the listserv for awhile. Can someone tell me the Fort Tuthill dates. I hope to go this year.

Tom Upton AD6N
Porterville CA 36N @ 119 W

Date: Mon, 19 Mar 2001 08:19:31
From: "Leon Heller" <leon_heller@hotmail.com>
To: ed@juge.org, qrp-1@Lehigh.EDU
Subject: [94463] Re: Good low-power wattmeter?
Message-ID: <F104FCH0zyfyz5b6KZm0000750e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>I'd appreciate opinions on a good, ACCURATE, low-power HF wattmeter? I
>seem
>to have only three choices...

The last issue of RadCom had a very nice design, if you want to roll your own. It looks quite easy to build.

73, Leon

--

Leon Heller, G1HSM Tel: (work): +44 1327 357824 (home): +44 1327 359058
Email:leon_heller@hotmail.com My web page:
http://www.geocities.com/leon_heller IRISYS Ltd: <http://www.irisys.co.uk>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Mon, 19 Mar 2001 21:24:49 +0900
From: Junichi Nakajima <nakaji@crl.go.jp>
To: qrp-1@Lehigh.EDU
Subject: [94464] Re: AL7FS in Nagoya Japan for two weeks
Message-ID: <200103191221.VAA15906@apollo.crl.go.jp>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Unfortunately, I am not QRPer around Nagoya.

>The reciprocal license is too expensive at \$100 but I am bringing along my
>Small Wonder Labs SW40+ and my NorCal SST-20 just to listen.

It's not worth to pay \$100 to Japanese government.
But please tune in 7003KHz 8AM,10AM, this is the Japanese
QRP frequency in domestic daytime propagation.
There are stations greeting each other.

14.060 is not so QRP active but you can enjoy
different propagation in Asia.

10MHz may be interesting too. A lot of mobile stations
are active above 10.120 and they are exchanging JCC/JCG
city codes.

JL1KRA Junichi Nakajima

Date: Mon, 19 Mar 2001 05:40:48 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Ed Juge <ed@juge.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94465] Re: Good low-power wattmeter?
Message-ID: <Pine.LNX.4.31.0103190536280.824-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ed, Your Bird is the best watt meter. And you can measure 5 watts with fair accuracy. Real low power is not possible but I have a simple low power meter. Find a 50 ohm 1/4 watt resistor and key down measure how fast it gets hot.

On Mon, 19 Mar 2001, Ed Juge wrote:

> I'd appreciate opinions on a good, ACCURATE, low-power HF wattmeter? I seem
> to have only three choices...
>
> The Oak Hills unit sold by Morse Express looks good. It would work great
> for my FT-817 but I'd like to have a little more than 10 watts max for use
> on my Elecraft K2. Anyone care to comment on its claimed "5% of full scale"
> accuracy?
>
> I also note the MFJ-864 is about the same price. Anyone know how accurate
> it is?
>
> I own a Bird 43, but the lowest power HF element they offer is 50 watts. I
> was hoping for 25. The only price I've seen on the 50H element is about the
> same as the above two wattmeters. That still could be my best bet.
>
> Comments?
> Thanks... Ed, W5EJ
>
>
>
>
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 19 Mar 2001 07:45:07 -0500
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>
To: <ed@juge.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94466] RE: Good low-power wattmeter?
Message-ID: <LPBBJAGIPFHKPJENAKLOEEDGEBA.n1bq@wulfden.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----

> From: Ed Juge
> Sent: Sunday, March 18, 2001 23:17 PM
> To: Low Power Amateur Radio Discussion
> Subject: Good low-power wattmeter?
>
>
> I'd appreciate opinions on a good, ACCURATE, low-power HF
> wattmeter? I seem to have only three choices...
>
> The Oak Hills unit sold by Morse Express looks good. It
> would work great for my FT-817 but I'd like to have a
> little more than 10 watts max for use on my Elecraft K2.
> Anyone care to comment on its claimed "5% of full scale"
> accuracy?

I recently built a WM-2 and I found that its measure of power was pretty close, possibly better than its touted "5%." I compared its reading on several bands to a fairly highly calibrated service monitor and they coincided at all frequencies (80m-20m) that I did measure.

Date: Mon, 19 Mar 2001 06:01:11 -0700
From: Roy <marion@montana.com>
To: k5di@zianet.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94467] Re: Good low-power wattmeter?
Message-ID: <4.3.1.2.20010319054859.00a754a0@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:40 AM 3/19/01 -0700, Karl F. Larsen wrote:

>Hi Ed, Your Bird is the best watt meter. And you can measure 5 watts with
>fair accuracy.

I will have to disagree. One of the devices I calibrate is Bird watt meters
to National Institute of Standards traceability. I am lucky to get them to
PLUS OR MINUS 10% of FULL SCALE. That is .5 watt on a five watt element,
or a full five watts on a fifty watt element. That applies to all
measurement in its range, So on a fifty watt element, a five watt
measurement is plus or minus a full five watts. Birds are only used here to
peak and for a general RF indication. 73 Roy AB7CE

Date: Mon, 19 Mar 2001 13:17:30 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94468] Mea Culpa
Message-ID: <01031913173001.25103@harper.weyr.dragonlan.org>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

=09=09Hi Gang,
=09I guess I wrote and hit send too quickly the other day. What I meant,=
but=20
failed to write, was that I thought this list was about the free flow of=20
ideas about radio. Sri for the misunderstanding es tn timer for the bw.

--=20

=09 Wayne M. Scace

&
Leader Dog Sequoia

k9di@arrl.net
Callsign K9DI
LICQ# 315313
FISTS# 4409
QRP-L# 2313
FPQRP-L# 217

Date: Mon, 19 Mar 2001 07:05:52 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [94469] J309,310 pinouts?
Message-ID: <001c01c0b07d\$b5d1ccc0\$6a211d82@sg2939h>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmmm.. can't find a description for labeling the pins (D,S,G). TIA,
Steve/n0tu

Date: Mon, 19 Mar 2001 08:47:13 EST
From: K5BDZ@aol.com
To: qrp-1@lehigh.edu
Subject: [94470] Wattmeter & calibrations
Message-ID: <13.12f3b0c8.27e767e1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

As a 47 year ham and charter member of R.O.O.F (Royal Order of Old F_ _ ts) a few comments about SWR and Watt Meters.

First of all, in my opinion, we only need SWR meters to determine how our antenna is matched, or how properly our antenna tuner is tuned (and there's some comments to that, too). Other than that, the "wiggly meters" are just something to distract you when you're copying code above 55 wpm.

Next, in my opinion, we only need a watt meter to measure our outputs to insure our transmitter is either properly built and peaked, or to see how much power we can get out or what settings product what power levels. i.e. more test bench than full time operation.

That being said, my practice is to build a good two-toroid RF sensor (my favorite circuit is a four-port hybrid 50 ohm by Dave Stockton G4ZNQ article in SPRAT, Vol 61 - Winter '89 - '90 entitled A Bi-Directional Inline Wattmeter - based on the Bruene circuit) and then feed two separate meters to monitor forward and reflected power. Dave's circuit is a very accurate and sensitive circuit, and simple to build.

THEN, if I MUST measure watts full time, separately and accurately, I sometimes build a separate power measuring circuit (I usually do it in with my RF Sensor above) in which I tap off via low pF capacitor and go thru switched trimpots to set the various power levels of interest and then to a power meter on which I make the face in order to maximize calibration of each scale at all levels. That way I get maximum accuracy at the various power levels. There is some variance due to frequency but not enough to be significant enough for my needs.

So much for my experiences. Does this help anyone?
Bill K5BDZ

Date: Mon, 19 Mar 2001 09:17:46 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <K5BDZ@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [94471] RE: Wattmeter & calibrations
Message-ID: <000001c0b07f\$5fca4300\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for your refreshing comments Bill. I've been doing essentially the same thing here for years.

I use a homebrew Breune-style bridge--with a toroidal transformer to sense current and a piston cap to sense voltage--in a remote box. I feed its dc output levels to an old "uncalibrated" milliammeter pulled from some WW-II junk.

The various antenna coupling apparatus here (almost all of it feeds balanced lines) is adjusted for zero reading on the milliammeter. When it does, I know my coax line is looking into a 50-ohm resistive load. That is, the voltage and current are in phase. That's all I care about!

By the way guys and gals, building a homebrew Breune bridge is *much* easier than constructing a "Monimatch" type in-line sensor--and the result is an instrument that's not frequency-sensitive.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of K5BDZ@aol.com
Sent: Monday, March 19, 2001 8:47 AM
To: Low Power Amateur Radio Discussion
Subject: Wattmeter & calibrations

As a 47 year ham and charter member of R.O.O.F (Royal Order of Old F_ _ ts)
a
few comments about SWR and Watt Meters.

First of all, in my opinion, we only need SWR meters to determine how our antenna is matched, or how properly our antenna tuner is tuned (and there's some comments to that, too). Other than that, the "wiggly meters" are just something to distract you when you're copying code above 55 wpm.

Next, in my opinion, we only need a watt meter to measure our outputs to insure our transmitter is either properly built and peaked, or to see how much power we can get out or what settings product what power levels. i.e. more test bench than full time operation.

That being said, my practice is to build a good two-toroid RF sensor (my favorite circuit is a four-port hybrid 50 ohm by Dave Stockton G4ZNQ article in SPRAT, Vol 61 - Winter '89 - '90 entitled A Bi-Directional Inline Wattmeter - based on the Bruene circuit) and then feed two separate meters to monitor forward and reflected power. Dave's circuit is a very accurate and sensitive circuit, and simple to build.

THEN, if I MUST measure watts full time, separately and accurately, I sometimes build a separate power measuring circuit (I usually do it in with my RF Sensor above) in which I tap off via low pF capacitor and go thru switched trim pots to set the various power levels of interest and then to a power meter on which I make the face in order to maximize calibration of each scale at all levels. That way I get maximum accuracy at the various power levels. There is some variance due to frequency but not enough to be significant enough for my needs.

So much for my experiences. Does this help anyone?
Bill K5BDZ

Date: Mon, 19 Mar 2001 08:12:55 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'dpayton@fwi.com'" <dpayton@fwi.com>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [94472] Surface Mounting Thru-hole Components
Message-ID: <E78D8A9D6762D411B5440008C791D4AA04A498A4@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Denny,
Isn't using "full-size components" to do quasi-"surface mounting" just like building something using Manhattan Style?

I'd say they're nearly identical, except that you have to grind, cut or etch "islands" on the PC board, rather than punch out "islands" and glue them to the substrate board...

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Dennis Payton [SMTP:dpayton@fwi.com]
> Sent: Friday, March 16, 2001 11:49 PM
> To: Low Power Amateur Radio Discussion
> Subject: Experiment - Surface Mounting Thru-hole Components
>
> I've always wanted to try building by surface mounting full-size
> components.
> My reasoning:? You wouldn't have to drill holes, you wouldn't have to
> isolate the bottom of the board with stand-offs, troubleshooting and
> component removal would be much simpler, and since the leads need to be
> very
> short, many of the components could be cut off of old boards - components
> that usually get discarded because desoldering is too time consuming.
> <snip>
> Denny Payton, N9JXY
> Auburn, IN

Date: Mon, 19 Mar 2001 09:40:52 -0500
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94473] RE: Paper for contact cleaning
Message-ID: <078F21595FA7D411B87B00805FA728E64A4649@atlexc02ntms.h boc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Ron,

The normal "paper" used for contact cleaning is parchment paper or typing paper. Normal "typing" paper is coarse enough to clean contacts with out removing too much silver. Too much is in microns.. The infamous brown paper bag is great if you have a large amount of build up, it is coarse enough to carry away to accumulation. The contact can than be polished up with typing paper or a dollar bill.

The ultimate way to clean up key or bug contacts is using a good old hollow state rig using cathode keying. All that "stuff" disappears 8-) as you use it.

Jerry
W3CDE
Atlanta, GA

-----Original Message-----

From: Ron, KU7Y [mailto:ku7y@qsl.net]
Sent: Saturday, March 17, 2001 6:16 PM
To: Low Power Amateur Radio Discussion
Subject: Paper for contact cleaning

Hi All,

With my new Schurr paddles came a small piece of paper for cleaning the contacts should they become dirty. The contacts are hard silver. The maker says "Do not use any paper of high assidity because that is going to put the corrosion right back on".

Date: Mon, 19 Mar 2001 09:55:23 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [94474] Re: Wattmeter
Message-ID: <008c01c0b084\$a08953e0\$370b4d0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill you certainly have made some common sense statements and the two toroid, two meter SWR/Power meter kitted by the NoGa (North Georgia) QRP club last year was quite a success for the reasons you mentioned. We are currently in the process of kitting more of these NoGaWatt kits and will make an announcement on this list when we are able to take orders. Our plans are to be able to have a quantity available at FDI.

Mike Branca W3IRZ in Conyers Georgia

Date: Mon, 19 Mar 2001 10:20:40 EST
From: Macstein@aol.com
To: n0tu@webaccess.net, qrp-l@lehigh.edu
Subject: [94475] Re: J309,310 pinouts?
Message-ID: <9.1288f0bf.27e77dc8@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 3/19/01 8:46:31 AM Eastern Standard Time,
n0tu@webaccess.net writes:

> Hmm.. can't find a description for labeling the pins (D,S,G). TIA,
> Steve/n0tu

J309/310 T0-92 facing the flat side where it's labeled, pins down: D S G

-MAC-
AF4PS
-51

Date: Mon, 19 Mar 2001 09:33:34 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94476] Re: The \$12.00 paddle URL??
Message-ID: <002f01c0b089\$f6280580\$0d9b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob hi,
I think your talking about the P-Tick paddle/keyer kit. The picture you
seek is on the NorCal web-page. Just scroll down the page till you see
P-TiCk and click on there or just go direct to
<http://www.fix.net/~jparker/norcal/ftsmith/ptick.htm>

I made a post a few weeks back that we would be making one last run of 150.
After making that post 40 of them walked out the door to new homes, grin.

So if you want a great little paddle kit that's includes a Tick 1 chip you
better hurry.

This is a fund raiser for the Arkiecon QRP forum and this years forum is
coming fast, April 7th!! Hope to see you there.

73 de w5jay..

> Hi Gang.
> About 6 weeks ago I had a site booked marked on this laptop.

> I loaned it to to some Girl and she cleared everything out.
> I need the URL for the paddle kit that also had a TICK chip with it.
> The site had a picture of one sitting on top of an Altoids tin box.
> Any help is greatly appreciated.
> Thanks
> Bob
> WA2HQrp <tm>
>

Date: Mon, 19 Mar 2001 10:58:31 -0500
From: Tim O'Rourke <TORourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [94477] Smallest Computer With Sound Card
Message-ID: <910D8E9955E3D411B3AE00A0C9319CB801A657@MAIL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I looking for the smallest available computer with a sound card to run PSK
and other Digital programs from field. Any suggestions?
Tim O'Rourke KG4CHX@Telocity.com

Date: Mon, 19 Mar 2001 09:58:12 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: <qrp-l@lehigh.edu>
Subject: [94478] XCVR: QRO/QRP
Message-ID: <003101c0b08d\$67f969d0\$fb06b99d@huntsville.sparta.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Who on the list has a Kenwood TS-930S? I just bought one this weekend, a
one owner, in near perfect condition . . . to use at the 3 watt level of
course. I've not heard such a fine receiver in a long time. I think I will
team it up with my tuna tin II for a super milliwatt station.

Anyone who owns/has owned one of these beauties can write me direct with
suggestions/hints on getting the most out of the rig.

73,

Richard, WA4NWW

Date: Mon, 19 Mar 2001 08:08:55 -0800 (PST)
From: "James C. Owen, III" <k4cgy_list@yahoo.com>
To: ed@juge.org, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94479] Re: Good low-power wattmeter?
Message-ID: <20010319160855.19487.qmail@web11801.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Ed Juge <ed@juge.org> wrote:
> I'd appreciate opinions on a good, ACCURATE, low-power HF
> wattmeter? I seem
> to have only three choices...
>
> The Oak Hills
>
> I also note the MFJ-864
>
> I own a Bird 43, but the lowest power HF element they offer is
> 50 watts.

Hi Ed,

The first two are good low cost meters but not as accurate as I like but good operating meters.

The 50W slug is the lowest for the Bird 43 and while the 5w indication is a pretty good part of the scale as you get into the 3W and lower area the accuracy drops off.

The best meter you can get is the Bird 4410. This looks very much like a 43 but has an internal amplifier that gives 7 ranges of readings with one slug. No more buying a 50W a 250W etc. If you get a 4410-3 slug then your FS ranges are 1W, 3W, 10W, 30W, 100W, 300W, 1000W. With this slug you can easily read 100 mw. If you get the 4410-4 then it FS 10W to 10K W in the seven ranges.

The downside to these meters both the 4410 and 43 is that they are heavily damped. If you use SSB then they will barely come off the peg so you might think that you are not getting power out. The 4410 is worse than the 43 taking about 1 second or so to go from 0 to 100W. There are peak power version of both the 43 and 4410 that are better for SSB but they are not as many available used. Now all that said I have both meters and they work fine but for QRO (100W) SSB I still like to use the Heathkit HM-102 as an operating meter due to it's faster response and calibrate it on occasion with the Bird. For QRP CW I ALWAYS use the 4410.

You can find a nice used 4410 on ebay for about \$125 or so and the slug for about \$60. So figure on spending around \$200.00 for a use one. But then again this only about \$100.00 or so more than an Oak Hills with more ranges and better accuracy. I guess it depends on what you want accuracy or lower price.

Hope this has helped.

72 Jim K4CGY qrp-l #72

Do You Yahoo!?

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<http://personal.mail.yahoo.com/>

Date: Mon, 19 Mar 2001 08:21:06 -0800 (PST)
From: "James C. Owen, III" <k4cgy_list@yahoo.com>
To: marion@montana.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94480] Re: Good low-power wattmeter?
Message-ID: <20010319162106.26173.qmail@web11806.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Roy <marion@montana.com> wrote:

> At 05:40 AM 3/19/01 -0700, Karl F. Larsen wrote:

>

> I will have to disagree. One of the devices I calibrate is Bird
> watt meters
> to National Institute of Standards traceability. I am lucky to
> get them to
> PLUS OR MINUS 10% of FULL SCALE.

I can't dispute Roy's findings as to how good they fall into calibration but the spec's for a 43 are 5% of Full Scale. However the 4410 has a tighter spec as it's 5% of the reading as long as the reading is greater than 20% of the scale.

Oh Yes one other thing, don't forget to turn off the meter when you finish using it. It does eat the 9V batterys. If you forget to turn it off, two days later you will have to replace them. Use the optional 9V PS if you're going to use it a lot.

73 Jim K4CGY

Do You Yahoo!?

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<http://personal.mail.yahoo.com/>

Date: Mon, 19 Mar 2001 11:27:31 -0500
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94481] RE: Good low-power wattmeter?
Message-ID: <078F21595FA7D411B87B00805FA728E64A464A@atlexc02ntms.h boc.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Ed,

You might also consider the NOGAQRP NOGAWATT watt meter. Inexpensive and calibrated for real QRP!

Jerry L.
W3CDE
Atlanta, GA

-----Original Message-----
From: James C. Owen, III [mailto:k4cgy_list@yahoo.com]
Sent: Monday, March 19, 2001 11:09 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Good low-power wattmeter?

--- Ed Juge <ed@juge.org> wrote:
> I'd appreciate opinions on a good, ACCURATE, low-power HF
> wattmeter? I seem
> to have only three choices...
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Hope this has helped.

72 Jim K4CGY qrp-l #72

Do You Yahoo!?

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<http://personal.mail.yahoo.com/>

Date: Mon, 19 Mar 2001 08:39:20 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Thomas Upton <stjohn@ocsnet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94482] Re: Fort Tuthill
Message-ID: <20010319083920.B1224@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Sun, Mar 18, 2001 at 11:39:56PM -0800, Thomas Upton wrote:

> I haven't read the listserv for awhile. Can someone tell me the Fort
> Tuthill dates. I hope to go this year.

>

> Tom Upton AD6N

> Porterville CA 36N @ 119 W

July 27-29, 2001. You can find information at
<http://www.phx-az.com/arca/>

72, Bob

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Mon, 19 Mar 2001 11:38:58 -0500 (EST)
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: qrp-1@lehigh.edu
Subject: [94483] Dayton Rooms
Message-ID: <Pine.BSF.4.10.10103191134550.85797-100000@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone (non-smoker preferred) interested in splitting a room at Dayton?

I am trying to make Dayton this year and am still at the stage of figuring out what will work. I am tentatively planning on arriving on Tuesday May 15 and leaving on the 19th. Will probably spend Wednesday at Wright-Patterson museum and am definitely planning on FDIM for Thursday.

Hotel shows being sold out for the week on computerized reservations services.

Please reply direct.

Thanks

Henry

Date: Mon, 19 Mar 2001 11:17:44 -0600
From: Ken Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [94484] Component Data/J309
Message-ID: <20010319.111744.14566.18.n4so@juno.com>

J309 J310

D S G

ARRL Handbook Component Data

Chapter 24 in the 1996 Edition

J309 and J310 are listed near the bottom of page 24-17
Base drawing nr. 2 shows it from the backside. Flatside
it looks like D S G

Compare "Databook for Homebrewers and QRPers" by Paul
Harden, page 81, if you have numbered the pages from
Contents, Drawing A in the upper right corner appears
to me to be an error. N-Channel FET's should be D S G.
MPF102 and 2N5457 were discussed in the past in modifications to the
NorCal 20, with J309 selected to
cure a problem in the NorCal 20. "Blueprinting/Modifying
the NorCal 20" by AB7MY. Q9 used as a FET mute switch. I have one NC20
that uses the MPF102 with no problems.

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 19 Mar 2001 18:30:46 +0000
From: Paul Brice-Stevens <paul@g0wat.demon.co.uk>
To: qrp-l@lehigh.edu
Subject: [94485] Collins ATU 180U-2..info sought
Message-ID: <KnZIUKAWBl6EwLx@g0wat.demon.co.uk>
MIME-Version: 1.0

Hi,

Anyone out there help me with some info on an ATU I have just
aquired...it is a Collins 180U-2...appears to be of military origin...is
an L Match with N type in and outs...it appears quite a spiffy design
and certainly well made, the mini roller inductor is very nice...however
I have no instructions at all on the thing..Yes I do know how to use an
ATU but on this one I am not sure what is the TX in and ant in and I do
not want to go popping any of the doorknob capacitors inside as they
well be a b***er to replace as the thing is virtually a sealed unit
(apropos military connotation earlier)...

Therefore any info gratefully accepted...I thought as Collins is an
product a posting here may elicit more of a response than a IUK based
list.

73/72

Paul
GOWAT

--

Paul Brice-Stevens

Date: Mon, 19 Mar 2001 13:48:10 -0500
From: "Doug Person" <DougPerson@attglobal.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <ed@juge.org>
Subject: [94486] Re: Good low-power wattmeter?
Message-ID: <003901c0b0a5\$26f6e120\$01000100@M6>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an Autek Research WM-1 which I find to be wonderfully accurate. It
reads down to a half watt with no problem on the 20 watt scale. It shows my
SST-20 to be putting 1.8 watts at 12 volts and my PSK-20 3 watts at 13
volts. All right on the money.

Doug -- W4DXV
Charlotte, NC
K2 #1920

----- Original Message -----
From: "Ed Juge" <ed@juge.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, March 18, 2001 11:17 PM
Subject: Good low-power wattmeter?

> I'd appreciate opinions on a good, ACCURATE, low-power HF wattmeter? I
seem
> to have only three choices...
>
> The Oak Hills unit sold by Morse Express looks good. It would work great
> for my FT-817 but I'd like to have a little more than 10 watts max for use
> on my Elecraft K2. Anyone care to comment on its claimed "5% of full
scale"
> accuracy?
>
> I also note the MFJ-864 is about the same price. Anyone know how accurate
> it is?
>
> I own a Bird 43, but the lowest power HF element they offer is 50 watts.
I
> was hoping for 25. The only price I've seen on the 50H element is about
the
> same as the above two wattmeters. That still could be my best bet.
>
> Comments?
> Thanks... Ed, W5EJ
>
>
>
>
>
>

Date: 19 Mar 2001 13:51:22 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-1@LeHigh.EDU
Subject: [94487] FS and WTB
Message-ID: <20010319185122.25819.qmail@aw164.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Ten Tec Model 291 tuner that matches the Scout series for sale. =

Came in a purchase and I will be using the 556 with my LDG tuner. =

\$65.00 CONUS. =

Looking for a Kenwood 4 pin hand mike, something like the MC-35S to sue w=

ith
my TS-130 mobile. Anyone with a nearly new mike on a shelf somewhere that=
isn't being used? =

Please reply off list. thanks.
mike
wb5yjx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Mon, 19 Mar 2001 11:12:25 -0800
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [94488] Re: Good low-power wattmeter?
Message-ID: <20010319111224.C1596@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Probably the most accurate low-power wattmeter you can find is the
Hewlett-Packard Calorimetric Power Meter (I forget the model number).
I haven't used one for over 30 years, but recall that it is 10 watts
full scale and has several ranges below that. It was quite expensive,
but might occasionally be found at a hamfest for a reasonable price.

The downside is that it is quite large (19 in. rack panel) compared to
a WM-2.

72, Bob

--
Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S
nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Mon, 19 Mar 2001 14:25:38 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <BRISCH@USWEST.NET>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [94489] RE: Wattmeter & calibrations

Message-ID: <000201c0b0aa\$61e37780\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sure thing Bill. Circuit and construction plans for these have appeared in QST and elsewhere over the years (that's why the older issues of QST are so valuable).

Check the good ol' ARRL-published "Solid State Design For The Radio Amateur" book. Both full-power and QRP-level designs are shown in Chapter 7, "Test Equipment and Accessories."

In my well-worn and tattered edition (Copyright 1977), the circuits are shown in Figures 15 and 17 on pages 149 and 150 , respectively.

GL es 73, AI2Q, Alex -- QRP-L 687 .-.-.

-----Original Message-----

From: BRISCH@USWEST.NET [mailto:BRISCH@USWEST.NET]
Sent: Monday, March 19, 2001 10:02 AM
To: ai2q@adelphia.net
Subject: RE: Wattmeter & calibrations

Alex I checked a few of my older handbooks and can't find a specific reference to a Breune bridge could you give me a source for building one? Bill K0QK.....

>I use a homebrew Breune-style bridge--with a toroidal transformer to sense
>current and a piston cap to sense voltage--in a remote box. I feed its dc
>output levels to an old "uncalibrated" milliammeter pulled from some WW-II
>junk.

>

>The various antenna coupling apparatus here (almost all of it feeds
balanced

>lines) is adjusted for zero reading on the milliammeter. When it does, I
>know my coax line is looking into a 50-ohm resistive load. That is, the
>voltage and current are in phase. That's all I care about!

>

>By the way guys and gals, building a homebrew Breune bridge is *much*
easier

>than constructing a "Monimatch" type in-line sensor--and the result is an
>instrument that's not frequency-sensitive.

>

>Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

>

Date: Mon, 19 Mar 2001 14:25:00 -0500 (EST)
From: Brien Pepperdine <pepperb@gov.on.ca>
To: qrp-l@lehigh.edu
Subject: [94490] EMTECH 8020 40 m. rig
Message-ID: <Pine.OSF.4.05.10103191420580.18698-1000000@govonca2.gov.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have an Emtech 8020 40 m. rig for sale. Packaged in a Radio Shack box,
with the audio filter option installed as well.
Too many wee rigs, too little time.

\$60.00.

PLEASE reply to this address AND bpepperdine@yahoo.ca if you wish to have
your reponse read in reasonable time. Not all ISPs are created equal.

Brien Pepperdine
Amateur Radio Station VE3VAW
Toronto, Ontario Canada
ARCI QRP #8773 - NORCAL QRP "ZOMBIE"

-Information and comments herein are mine own and are separate and
independent of the electronic information gateways, pathways and
provider(s) utilized-

Date: Mon, 19 Mar 2001 14:51:58 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [94491] "P" TICK KEYER URL
Message-ID: <8b.3e92c19.27e7bd5e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
Since I inquired about the URL for the "P" tick keyer kit,
I received many letters from others asking me if I would send them the URL.
I'm studying for my extra and packing my gear for my new QTH and I'm short on
time so I'm posting the URL here.

This is the last run and the one I saw was a "GEM"
<http://www.fix.net/~jparker/norcal/ftsmith/ptick.htm>
Bob
WA2HOQip <tm>
Oh, Yeah,
The usual mumbo jumbo junk.
I have nothing to do with the Company.
I only got \$10,000 for making this post

Date: Mon, 19 Mar 2001 13:54:12 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@Lehigh.EDU>, "William Winnscott" <n6cha@ipa.net>, "Steve Lowrey" <snlowrey@alltel.net>, "Stan Ross" <slross@cox-internet.com>, "Royce Rainwater" <ke5tc@crosstel.net>, "Ronald M. Kupers" <w5xq@arrl.net>, "Richard Donovan" <n5xm@alltel.net>
Subject: [94492] QST:YAESU FT-817 Atlanticon/ArkieCon
Message-ID: <028a01c0b0ae\$9393a9e0\$0d9b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,
Someone posted a few ago wanting comments about the Yaesu FT-817. Perfect timing as there is a review in the April QST. I just got my in the mail today and did the usual quick scan before getting back to work. The FT-817 review was very good from what I saw. There were three other QRP articles that also looked interesting.

1. The NJQRP Squirt by Joe Everhart N2CX
2. A QRP "Expedition" to Great Britain by Stephen Stuntz N0BF
3. QRP Power by Rich Arland K7SZ

There maybe more, but this was all I saw with a quick scan!

The article by, QRP HOF, Joe Everhart looks like another great one. If you haven't meet, heard, or seen Joe you are missing out big. I got a chance to meet and hear Joe at Pacificon and it sure makes me wish I could attend Atlanticon this year, but it is just to close to our own ArkieCon. Joe and his antenna products are first class!

Sure is funny that both groups (NJQRP & FSQG) are giving away Yaesu FT-817s this year.

Speaking of NJQRP types--if you can't make it to Atlanticon this year please consider coming to ArkieCon. George Heron and a few of the NJQRP types will be here as well. After the "Big" Atlanticon those boys will be pumped up to the QRP max. George is a mover and shaker that no one I know of can hold a candle to, sorry Doug! So hope you can make it to one or the other, there will be ton of fun in both camps!!

Good reading for tonight, dang-it, have to go to a club meeting tonight. Oh well I will take the along QST with me.

73 de w5jay..

Date: Mon, 19 Mar 2001 14:58:49 -0500
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [94493] RE: PIN Diode TR Switching
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9D84@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If you add two capacitors and two inductors it is possible for that series resonant T/R switch to cover three bands.--Zack W1VT

Date: Mon, 19 Mar 2001 15:24:17 -0500
From: "David Porter" <aa3ur@home.com>
To: <ai2q@adelphia.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94494] Re: Wattmeter & calibrations
Message-ID: <00a601c0b0b2\$9307c0c0\$926e0941@jamison1.pa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Try this for a .PDF file on the Bruene Bridge.

<http://home.att.net/~n2pk/RLPv1a.pdf>

David Porter
aa3ur@home.com
AA3UR

----- Original Message -----

From: "AI2Q Alex" <ai2q@adelphia.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 19, 2001 2:25 PM
Subject: RE: Wattmeter & calibrations

> Sure thing Bill. Circuit and construction plans for these have appeared in
> QST and elsewhere over the years (that's why the older issues of QST are
so
> valuable).

>
> Check the good ol' ARRL-published "Solid State Design For The Radio
Amateur"
> book. Both full-power and QRP-level designs are shown in Chapter 7, "Test
> Equipment and Accessories."

>
> In my well-worn and tattered edition (Copyright 1977), the circuits are
> shown in Figures 15 and 17 on pages 149 and 150 , respectively.

>
> GL es 73, AI2Q, Alex -- QRP-L 687 .-.-.

>
> -----Original Message-----

> From: BRISCH@USWEST.NET [mailto:BRISCH@USWEST.NET]
> Sent: Monday, March 19, 2001 10:02 AM
> To: ai2q@adelphia.net
> Subject: RE: Wattmeter & calibrations

>
>
> Alex I checked a few of my older handbooks and can't find a specific
> reference to a Breune bridge could you give me a source for building one?
> Bill K0QK.....

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> >I use a homebrew Breune-style bridge--with a toroidal transformer to
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> >By the way guys and gals, building a homebrew Breune bridge is *much*
> easier
> >than constructing a "Monimatch" type in-line sensor--and the result is an

> >instrument that's not frequency-sensitive.
> >
> >Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.
> >
>

Date: Mon, 19 Mar 2001 14:50:14 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <nkennedy@tcainternet.com>, <qrp-l@Lehigh.EDU>
Subject: [94495] QEX has been very practical RF in the HF lately
Message-ID: <015501c0b0b6\$32a11d90\$4e100a0a@rohredt2000>

Nick, and the group,
"QEX" took over "Communications Quarterly", and has been very assorted in its topics lately. Nothing too exotic or microwavey, (not that anything is wrong with that--- it being a lot of QRP).

Zack Lau often has a very practical and even QRP focused piece in the back of each issue. He has covered a useful portable dipole center insulator, and in the current issue an Off Center Fed dipole and balun, for example.

QEX is devoted to technical topics, and projects. QST has more general operating interest stuff, reviews, etc. with both beginner and general interest technical pieces. Together, they make a complimentary offering, and there is a discount for QEX subscriptions to someone who also is a League member/QST subscriber!

It is not as good as the old long lamented "Ham Radio" magazine, but it comes as close to that as exists in Amateur Radio at this time. You might want to re subscribe and enjoy.

72,
Stuart K5KVH

Date: Mon, 19 Mar 2001 20:55:42 -0000
From: "Mike Swift" <m0cqg@dial.pipex.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [94496] OHR500 - opinions?
Message-ID: <007201c0b0b6\$f67b8340\$bb0dbc3e@uksolsf56>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All

The last and arguably most challenging QRP rig I built was a K1. My birthday is coming up in May, and I'd like another kit - perhaps this time, something a little more challenging. I've recently gone off the idea of the K2, as I already have a full-featured all-mode HF rig (the TS570DG) which I'm delighted with - so, I thought that an OHR500 from Oak Hills Research might be a nice alternative for CW work. Can anyone offer any constructive opinions on this particular kit? How well does it perform? What sort of quality can I expect of the board, components and hardware? Any known problems?

Thanks & 73

Mike
M0CQG

Date: Mon, 19 Mar 2001 16:12:43 -0500
From: geoff allsup <gallsup@whoi.edu>
To: m0cqg@dial.pipex.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [94497] Re: OHR500 - opinions?
Message-ID: <3AB6764B.2C117AFF@whoi.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike Swift wrote:

>
> All
>
> The last and arguably most challenging QRP rig I built was a K1. My birthday
> is coming up in May, and I'd like another kit - perhaps this time, something
> a little more challenging. I've recently gone off the idea of the K2, as I
> already have a full-featured all-mode HF rig (the TS570DG) which I'm
> delighted with - so, I thought that an OHR500 from Oak Hills Research might
> be a nice alternative for CW work. Can anyone offer any constructive
> opinions on this particular kit? How well does it perform? What sort of
> quality can I expect of the board, components and hardware? Any known
> problems?

>

Hi, Mike

Guess I'll put in a plug for the Wilderness Radio Sierra; just built one myself. Very nice rig, 9 bands by swapping little band modules, and about 1/10 the current consumption in receive (about 30 MA vs around 270 MA for the OHR500). If you'd like to backpack your little rig anywhere, operating on batteries, might want to consider that.

Have fun, whatever you decide to build!!

72,
geoff

--

Geoff Allsup, W10H gallsup@whoi.edu or w10h@arrl.net
Upper Ocean Processes Group
Woods Hole Oceanographic Institution Woods Hole, MA, USA

Date: Mon, 19 Mar 2001 16:13:52 -0500
From: "Doug Person" <DougPerson@attglobal.net>
To: "Elecraft List" <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [94498] Solar Power
Message-ID: <00e901c0b0b9\$967237c0\$01000100@M6>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just received a box from All Electronics. A place I've begun to spend some regular money. Today's box contained a solar panel capable of 12-15 volts at around 150 Ma. This is enough to charge a variety of batteries. It's sitting in my south-facing window charging one of my 4.5 AH lead acid cells. I expect I'll be describing myself as solar-powered hereafter when operating the K2, SST-20 or one of the MFJ SSB transceivers (20 and 10).

They indicated there was not a large supply of these panels. So if interested, you should hurry over to www.allelectronics.com The price is \$59 + \$5 to ship. They also have a 500 Ma unit for \$79. Both nicely made. Fully enclosed, water proof, blocking diode, about 6 feet of cable and two large clips for your battery.

Some time in the future I intend to put up a solar-powered repeater in Northern Colorado. A place far away from normal power lines, but one where

I really need some coverage for hiking, cross-country-skiing, hunting, etc. Initially, I intend to use a dual-band HT such as a Kenwood TH-79 operating in Cross-band and powered from an nimh battery pack.

Does anyone know of circuits/methods of managing the charging process to prevent over-charging? How about a way to automatically switch between two packs depending on charge state?

73/2 Doug -- W4DXV
Charlotte, NC
K2 #1920

Date: Mon, 19 Mar 2001 13:32:42 -0800
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [94499] Download Problem
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F4309980203@blaze.bcsc.GOV.BC.CA>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I'm trying to download the toroid charts from the archives. My WinZip program says the file is not in the proper format for downloading. Can someone please tell me how to name it so that WinZip will recognize it? It's currently in the archives as

toroidcharts.mcq.Z

Thanks for any help.

Doug VA7DD
MailTo: Doug.Davies@gems3.gov.bc.ca

Date: Mon, 19 Mar 2001 16:41:40 -0500
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'rohre@arlut.utexas.edu'" <rohre@arlut.utexas.edu>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: "Smith, Douglas" <DSmith@arrl.org>
Subject: [94500] RE: QEX has been very practical RF in the HF lately
Message-ID: <125490A005E3D3118C9C00805FC743CC01C16BDF@KAHLESS>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Thanks for your kind words, Stuart. Zack reads this reflector, so he will see how his work on the "RF" column is appreciated.

Those who want more info can go to:

<http://www.arrl.org/qex/>

There are sample articles from most of the recent issues available from download. There are a number of QEX articles in amongst the various pages on the ARRL Tech info website at <http://www.arrl.org/tis>.

I think, too, that many of the changes are due to the leadership of the QEX editor, Doug Smith. Doug does not work in Newington, but does QEX on a contract basis. He has put a lot into its diversity, and it really shows. I have cc'ed him so he can see your appreciation.

73,
Ed Hare, W1RFI
ARRL Laboratory
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: Stuart Rohre [<mailto:rohre@arlut.utexas.edu>]
Sent: Monday, March 19, 2001 3:50 PM
To: Low Power Amateur Radio Discussion
Subject: QEX has been very practical RF in the HF lately

Nick, and the group,
"QEX" took over "Communications Quarterly", and has been very assorted in its topics lately. Nothing too exotic or microwavey,(not that anything is wrong with that--- it being a lot of QRP).

Zack Lau often has a very practical and even QRP focused piece in the back of each issue. He has covered a useful portable dipole center insulator, and in the current issue an Off Center Fed dipole and balun, for example.

QEX is devoted to technical topics, and projects. QST has more general operating interest stuff, reviews, etc. with both beginner and general interest technical pieces. Together, they make a complimentary offering, and there is a discount for QEX subscriptions to someone who also is a League member/QST subscriber!

It is not as good as the old long lamented "Ham Radio" magazine, but it comes as close to that as exists in Amateur Radio at this time. You might want to re subscribe and enjoy.

72,

Stuart K5KVH

Date: Mon, 19 Mar 2001 13:56:15 -0800
From: John Kuklewicz N7ZN <kuk1@cybrquest.com>
To: DougPerson@attglobal.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [94501] Re: Solar Power
Message-ID: <3AB6807F.533F6376@cybrquest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Homepower has an article for a homebrew PWM solar panel charge controller. Pretty simple circuit, only 2 dozen or so components.

url to the pdf:

<http://www.humboldt1.com/~michael.welch/extras/pwmhp75.pdf>

At <http://www.homepower.com/download.htm> there are links to gif and ps files for the PCB layout. (Toward the bottom of the page.

John N7ZN

Doug Person wrote:

>
>
>
> Does anyone know of circuits/methods of managing the charging process to
> prevent over-charging? How about a way to automatically switch between two
> packs depending on charge state?
>
> 73/2 Doug -- W4DXV

> Charlotte, NC
> K2 #1920

Date: Mon, 19 Mar 2001 15:58:04 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Cc: <qrp-1@Lehigh.EDU>
Subject: [94502] Re: ARRL Lab and W1RFI
Message-ID: <003901c0b0bf\$aca5c100\$4e100a0a@rohredt2000>

Ed,
I also appreciate your many contributions not only to this reflector but also to ARRL, especially with the Lab, and continuing emphasis on RFI issues and solutions!
from an old RFI techie,
[Mil Spec, Fed. Std. 222, and others those of you from Aerospace industry will know, ;-)]
72,
Stuart K5KVH

Date: Mon, 19 Mar 2001 22:07:52
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [94503] Re: Experiment - Surface Mounting Thru-hole Components
Message-ID: <F771qJ08Zy3w28f0uSe000048ef@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Denny N9JXY wrote:

>I've always wanted to try building by surface mounting
>full-size components. My reasoning:? You wouldn't have
>to drill holes, you wouldn't have to isolate the bottom
>of the board with stand-offs, troubleshooting and
>component removal would be much simpler, and since the
>leads need to be very short, many of the components could
>be cut off of old boards - components that usually get
>discarded because desoldering is too time consuming.
>(snip...)

Others have noted that this is very similar to Manhattan construction, but dressing the leads and surface mounting

with minimum lead length is well established in microwave circles too.

The bottom line, as always, is whatever works...

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Mon, 19 Mar 2001 17:32:01 EST
From: Qrpop@aol.com
To: qrp-l@lehigh.edu
Subject: [94504] FS: OHR 20 meter Explorer II
Message-ID: <df.11ef6fa1.27e7e2e1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For Sale:

Oak Hills Research 20 Meter Explorer II. The rig is in excellent shape both in operation and looks. Full 2-3 watts out, superhet, 14.000 - 14.070 vernier tuning, excellent variable 4 pole xtal filter (350-1500hz), RIT. Will ship for \$85.

Please contact W2IV@aol.com or qrpops@aol.com
Phone 716-649-6247
thanks and 73 John W2IV

Date: Mon, 19 Mar 2001 23:42:27
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [94505] RE: PIN Diode TR Switching & QEX --Long (and boring)
Message-ID: <F2611kDTM9wGmAf0Mjk00001555@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Nick WA5BDU wrote:

>I did notice that the ARRL offers a CD collection of back issues.
>All QEX from 1981 to 1998 for about \$40. That seems like a good
>deal.

The QEX Collection CD *is* a good deal. It's fab. Buy it!

I find the compilation CDs (ARRL and RSGB) to be both a good deal, and a useful way to save shelf space. They also often have better indexes than the paper publications did.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Mon, 19 Mar 2001 18:54:09 -0500
From: "Tracy" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.EDU>
Subject: [94506] Cool little rig
Message-ID: <NCBBICHAOKICOGKID00GKEDMEHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK -

So I haven't read all the posts, but I did a search of the last 1,800 posts and nothing about the little radio :]

Thanks to all that responded ... I honestly think I'm gonna save my shackles and see if I can get a dealy on this at the Dayton show.

Yeah, to all you who asked where I've been ... had to pull my head out from under this rock when I saw that rig lol

OOPS - didn't know the model number!!! Honest folks ... I haven't bought a NEW radio since the kenwood 520s came out ... I just never paid attention when I saw posts about the little rig.

Ya know, I've built that last bunch of radios I've had, again just never paid attention to any commercial rigs!!!

Thanks again to all who expressed their concern for my getting out once in a while lol

Tracy N4LGH

End of QRP-L Digest 2132
